

PTO/SB/21 (09-04)

Approved for use through 07/31/2006. OMB 0651-0031

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**TRANSMITTAL  
FORM**

(to be used for all correspondence after initial filing)

Total Number of Pages in This Submission

Application Number

09/659,737 / US6,861,239

Filing Date

09/11/2000

First Named Inventor

Blumenberg, et al.

Art Unit

1652

Examiner Name

M. Monshipouri

Attorney Docket Number

PFI-024US/71369.172US

**ENCLOSURES (Check all that apply)**

<input checked="" type="checkbox"/> Fee Transmittal Form	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> After Allowance Communication to TC
<input type="checkbox"/> Fee Attached	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
<input type="checkbox"/> Amendment/Reply	<input type="checkbox"/> Petition	<input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief)
<input type="checkbox"/> After Final	<input type="checkbox"/> Petition to Convert to a Provisional Application	<input type="checkbox"/> Proprietary Information
<input type="checkbox"/> Affidavits/declaration(s)	<input type="checkbox"/> Power of Attorney, Revocation	<input type="checkbox"/> Status Letter
<input type="checkbox"/> Extension of Time Request	<input type="checkbox"/> Change of Correspondence Address	<input checked="" type="checkbox"/> Other Enclosure(s) (please identify below):
<input type="checkbox"/> Express Abandonment Request	<input type="checkbox"/> Terminal Disclaimer	- Postcard
<input type="checkbox"/> Information Disclosure Statement	<input type="checkbox"/> Request for Refund	
<input type="checkbox"/> Certified Copy of Priority Document(s)	<input type="checkbox"/> CD, Number of CD(s) _____	
<input type="checkbox"/> Reply to Missing Parts/ Incomplete Application	<input type="checkbox"/> Landscape Table on CD	
<input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53		
<b>Remarks</b> - Request for Certificate of Correction		

**SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT**

Firm Name	Wilmer Cutler Pickering Hale and Dorr LLP		
Signature			
Printed name	Ann-Louise Kerner, Ph.D.		
Date	03/22/2005	Reg. No.	33,523

**CERTIFICATE OF TRANSMISSION/MAILING**

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below:			
Signature			
Typed or printed name	Rochelle Capobianco	Date	03/22/2005

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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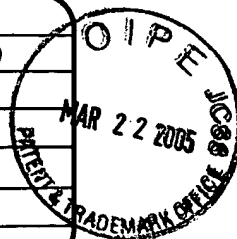
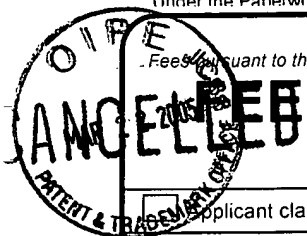
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PTO/SB/17 (12-04)  
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Effective on 12/08/2004.  
Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).

# TRANSMITTAL

## For FY 2005

### Complete if Known

Application Number	09/659,737 / US6,861,239
Filing Date	09/11/2000
First Named Inventor	Blumenberg, et al.
Examiner Name	M. Monshipouri
Art Unit	1652
Attorney Docket No.	PFI-024US/71369.172US

☐ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$) 100.00

### METHOD OF PAYMENT (check all that apply)

☐ Check ☐ Credit Card ☐ Money Order ☐ None ☐ Other (please identify) Wilmer Cutler Pickering Hale and Dorr LLP  
☒ Deposit Account Deposit Account Number: 08-0219 Deposit Account Name:

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

☒ Charge fee(s) indicated below ☐ Charge fee(s) indicated below, except for the filing fee  
☒ Charge any additional fee(s) or underpayments of fee(s) under 37 CFR 1.16 and 1.17 ☒ Credit any overpayments

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### FEE CALCULATION

#### 1. BASIC FILING, SEARCH, AND EXAMINATION FEES

Application Type	FILING FEES		SEARCH FEES		EXAMINATION FEES		Fees Paid (\$)
	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	
Utility	300	150	500	250	200	100	0
Design	200	100	100	50	130	65	0
Plant	200	100	300	150	160	80	0
Reissue	300	150	500	250	600	300	0
Provisional	200	100	0	0	0	0	0

#### 2. EXCESS CLAIM FEES

Fee Description	Fee (\$)	Small Entity Fee (\$)
Each claim over 20 or, for Reissues, each claim over 20 and more than in the original patent	50	25
Each independent claim over 3 or, for Reissues, each independent claim more than in the original patent	200	100
Multiple dependent claims	360	180

Total Claims Extra Claims Fee (\$) Fee Paid (\$)

- 20 or HP = x =

HP = highest number of total claims paid for, if greater than 20

Indep. Claims Extra Claims Fee (\$) Fee Paid (\$)

- 3 or HP = x =

HP = highest number of independent claims paid for, if greater than 3

Multiple Dependent Claims

Fee (\$) Fee Paid (\$)

0 0

#### 3. APPLICATION SIZE FEE

If the specification and drawings exceed 100 sheets of paper, the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

Total Sheets Extra Sheets Number of each additional 50 or fraction thereof Fee (\$) Fee Paid (\$)

- 100 = / 50 = 0 (round up to a whole number) x =

#### 4. OTHER FEE(S)

Non-English Specification, \$130 fee (no small entity discount)

Other: Request for Certification

Fees Paid (\$)

100.00

#### SUBMITTED BY

Signature		Registration No. (Attorney/Agent)	33,523	Telephone	(617) 526-6192
Name (Print/Type)	Ann-Louise Kerner, Ph.D.	Date	03/22/2005		

This collection of information is required by 37 CFR 1.136. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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03-23-05

1 PFI  
Cofc

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Patent No.:

6,861,239

Issued: March 1, 2005

In the Name of:

Blumenberg *et al.*

Attorney Docket No.: PFI-024US/  
71369.172US

Title:

**Genes and Polynucleotides Associated With Ultraviolet Radiation-Mediated  
Skin Damage and uses Thereof**

CERTIFICATION UNDER 37 C.F.R. § 1.10

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3/22/2005

Express Mail No.

Date of Deposit

  
Rochelle Capobianco

ATTN: Certificate of Correction Branch  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

REQUEST FOR CERTIFICATE OF CORRECTION UNDER 37 C.F.R. § 1.323

Sir:

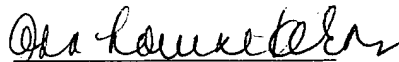
The attached Certificate of Correction is made under 37 C.F.R. § 1.323 and is respectfully requested to be issued under 35 U.S.C. § 255.

This Certificate of Correction requests a correction of several clerical/typographical errors in the specification and claims of the above-identified patent. The error to be corrected is described in detail on the enclosed PTO Form 1050. Applicants respectfully request that the attached Certificate of Correction be issued.

Please charge any fees that are due in this matter to Deposit Account No. 08-0219.

Dated: March 22, 2005

Respectfully submitted,



Ann-Louise Kerner, Ph.D.  
Registration No. 33,523

Wilmer Cutler Pickering Hale and Dorr LLP  
60 State Street  
Boston, MA 02109  
Telephone: (617) 526-6190  
Facsimile: (617) 526-5000

03/23/2005 SSESHE2 00000009 080219 6861239  
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(Also Form PTO-1050)

## UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

PATENT NO : 6,861,239  
DATED : 02/08/2005  
INVENTOR(S) : Blumenberg et al.

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 6, line 22, please replace "for the. YSK2" with --for the YSK2--  
Column 12, line 24, please replace "PAKS-related" with --PAK5-related--  
Column 13, line 22, please replace "and ls useful" with --and is useful--  
Column 22, line 14, please replace "The MLK4 PAK4," with --The MLK4, PAK4,--  
Column 27, line 58, please replace "PAK4, PAKS or YSK2" with --PAK4, PAK5 or YSK2--  
Column 28, line 2, please replace "a lest compound" with --a test compound--  
Column 70, line 49, please replace "nucleic add" with --isolated polynucleotide molecule--  
Column 70, line 55, please replace "nucleic add" with --isolated polynucleotide--  
Column 70, line 57, please replace "isolated polynucleotide" with --isolated DNA polynucleotide--

MAILING ADDRESS OF SENDER: WILMER CUTLER PICKERING HALE  
AND DORR, LLP  
60 State Street  
Boston, MA 02109

PATENT NO. 6,861,239

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